

## VIII.2-ARRAY\_TS FORECAST COMPONENT INTERNAL ARRAY TS

### Function

The TS array contains all of the information about each time series used in a Forecast Component Segment.

### Listing

DIMENSION TS(MTS)

where MTS is the maximum size of array TS

### Contents

The TS array contains the following information for each time series that is defined for the Segment:

<u>Position</u>	<u>Contents</u>
1	Indicator for the type of time series:  0 = last entry in the TS array  1 = Input (data values initially read from data files)  2 = Update (data values initially read from data files and later written back to the files)  3 = Output (data values written to data files)  4 = Internal (used only to pass information from one Operation to another - not read or written to any data files)
2	Pointer indicating where in the TS array the information for the next time series begins
3-4	8-character identifier for the time series
5	4-character data type code for the time series
6	Data time interval of the time series in hours
7	Number of values in the time series per time interval
8	Pointer indicating the starting location of the time series data in the D array
9	Indicator whether the time series contains data values: 0 = no

<u>Position</u>	<u>Contents</u>
	1 = yes
	This indicator is initially set to 1 for Input and Update time series and zero for all others - the indicator is checked in the Operations Table entry subroutine for each Operation and set equal to 1 when an Operation puts data values into the time series
10	4-character code indicating the type of data file accessed for this time series - not included for Internal time series
11	Indicator for Output and Update time series indicating when the time series is written to the data files: 0 = written after executing the Operations 1 = written during execution of the Operations Table Indicator is set to zero for Input time series Not included for Internal time series
12	Number of values (NV) of external location information (information needed to read or write the time series to the data files) Not included for Internal time series
13 through 12+NV	External location information for the time series - contents depends on type of data file used
13+NV (10 for Internal)	Number of values of additional information (NADD) that are associated with the time series
14+NV through 13+NV+NADD (11 through 10+NADD for Internal)	Additional information associated with the time series (information that is required when using the time series for some special application)